

Headquarters U.S. Air Force

Integrity - Service - Excellence

GeoBase for Incident Response Decisions



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GeoBase Overview

- **What Is GeoBase**
- **Why GeoBase**
- **Common Installation Picture (CIP) 2006**
- **Mission Data Sets**
- **GeoBase Toolkit - Description**
- **GeoBase Toolkit - Demo**
- **Review other toolkits**
- **GeoBase Information**



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What is GeoBase?

- **A Name assigned to the USAF Geographic Information System (GIS)**

- **What is a GIS?**
 - **A GIS is a computer system capable of capturing, storing, analyzing, and displaying geographically referenced information; that is, data identified according to location.**

 - **Might also be defined as including the procedures, operating personnel, and spatial data that go into the system.**



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What is GeoBase?

- **A Map**
- **Data**
- **Hardware**
- **Software**
- **People**



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Why Do We have a GeoBase Program

- **Response to compelling evidence of widespread fiscal waste and decision inferiority**
- **Foundation: Elimination of duplicate map making investments**
- **Mission: Installation operations require disciplined creation, management and sharing of critical geo-referenced information through modern mapping processes.**



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GeoBase by any other name

- **Col. Brian Cullis, Director, Defense Installation Spatial Data Infrastructure (DISDI) - Office of Secretary of Defense, manages 4 GIS's**
 - **GeoBase - USAF**
 - **GeoReadiness - NAVY**
 - **GISR - ARMY**
 - **GeoFidelis - MARINES**



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GeoBase Vision

The GeoBase vision is “one installation, one map” with a mission to attain and sustain a capability enabling shared, efficient use of trusted, integrated, and georeferenced information delivering situational awareness across installations.



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GeoBase Mission

- **Focused on information resource management rather than IT acquisition.**
- **GeoBase includes the people, processes, and resources used in the collection, analysis, and display of georeferenced information to support the installation mission.**
- **GeoBase capabilities are served and exploited via the existing base communications network**



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The GeoBase Mission

**The GeoBase mission is
comprised of four unique
decision support
environments:**

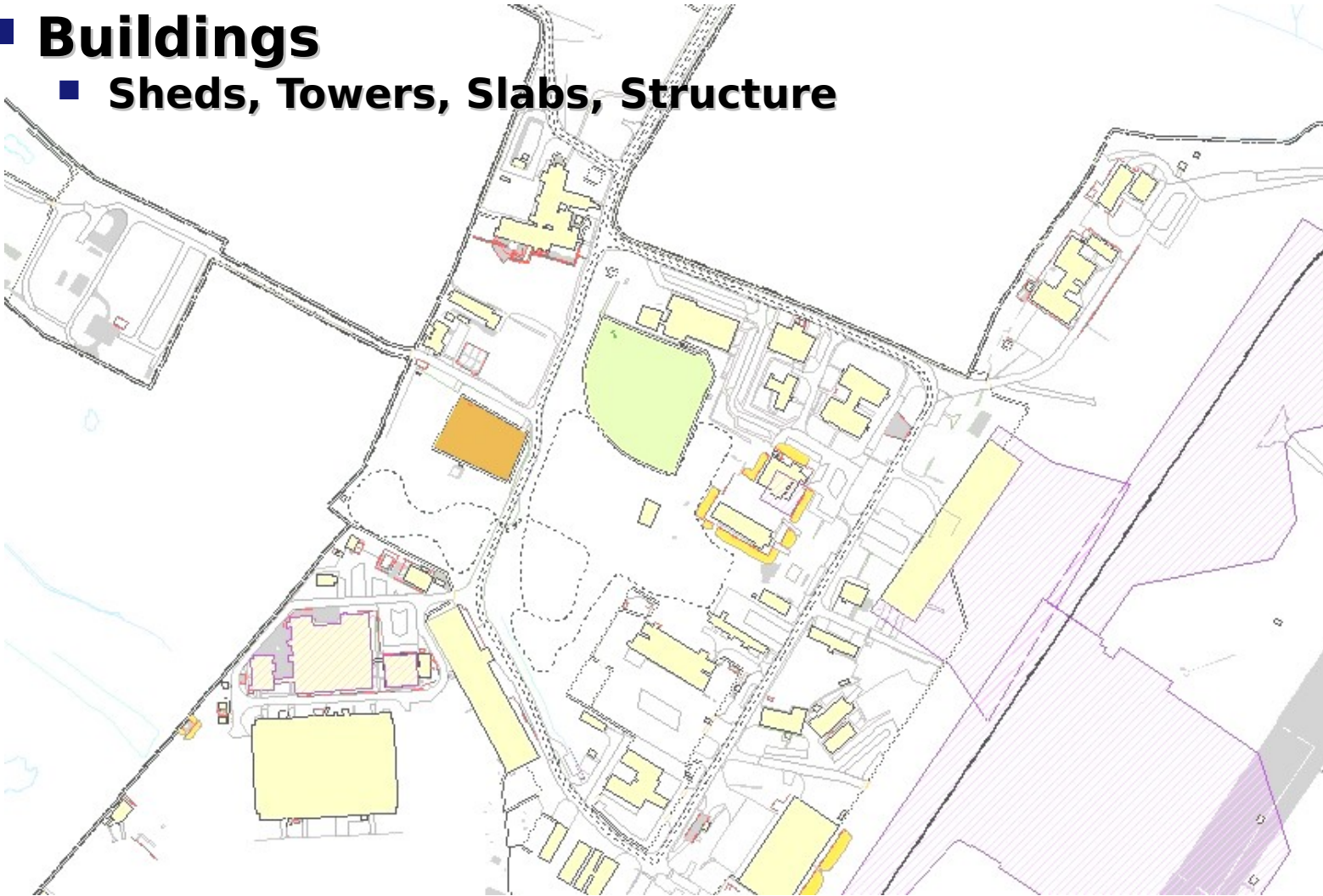
- **Garrison**
- **GeoReach**
- **Expeditionary**
- **Strategic**



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Common Installation Picture 2006

- **Buildings**
 - Sheds, Towers, Slabs, Structure

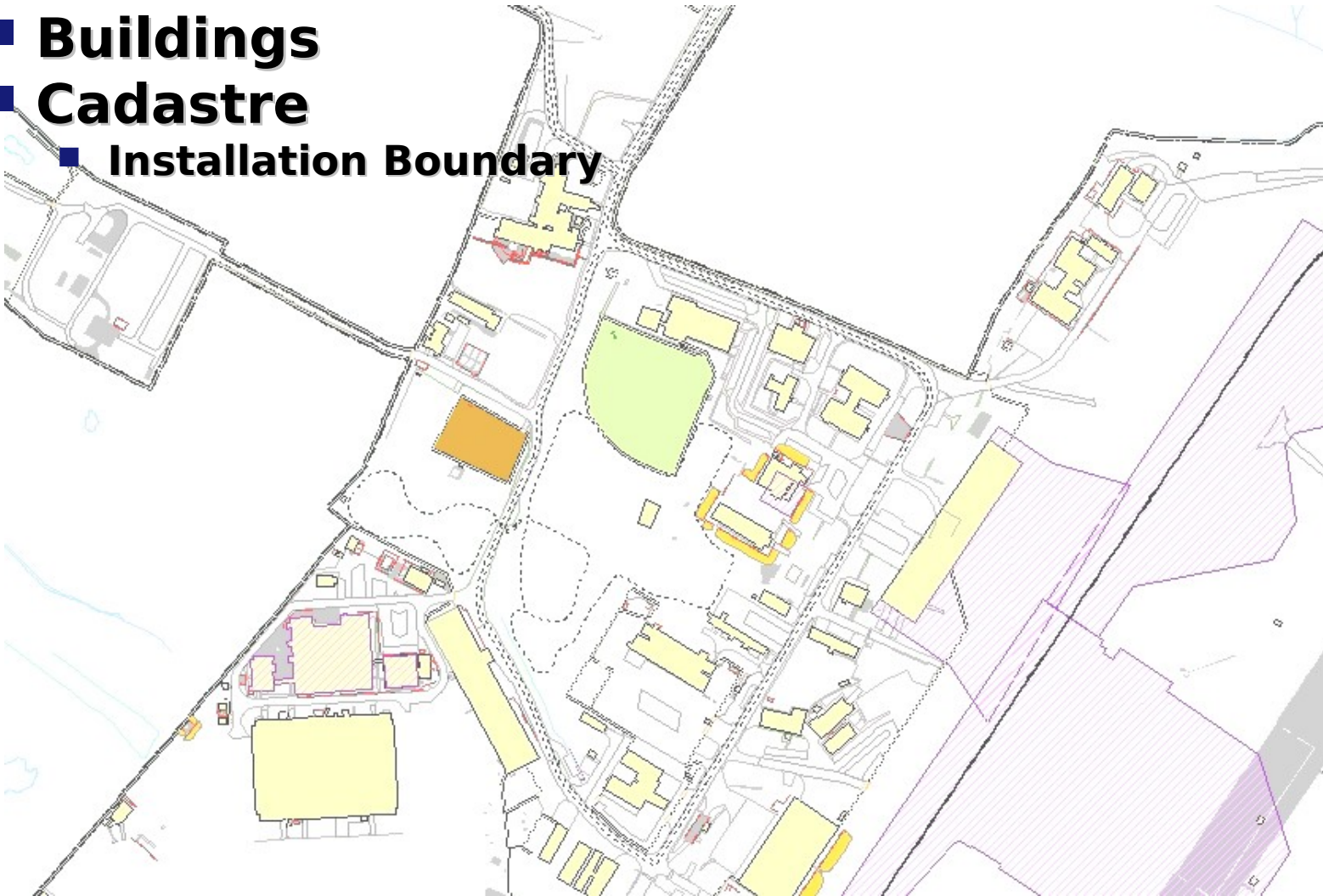




Common Installation Picture **2006**

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- **Buildings**
- **Cadastre**
 - **Installation Boundary**





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Common Installation Picture 2006

- Buildings
- Cadastre
- Flora
- Species Site

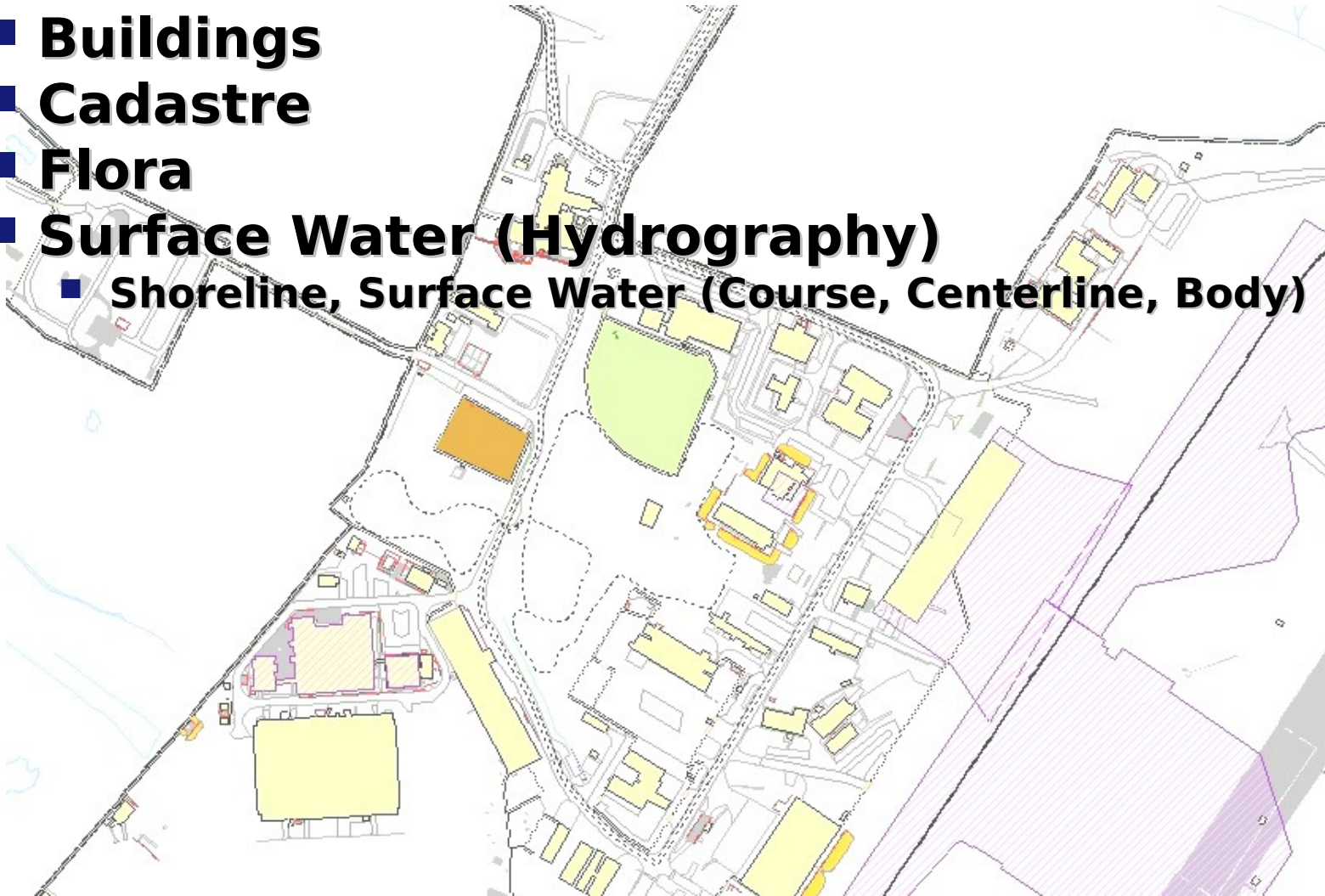




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Common Installation Picture 2006

- Buildings
- Cadastre
- Flora
- Surface Water (Hydrography)
 - Shoreline, Surface Water (Course, Centerline, Body)

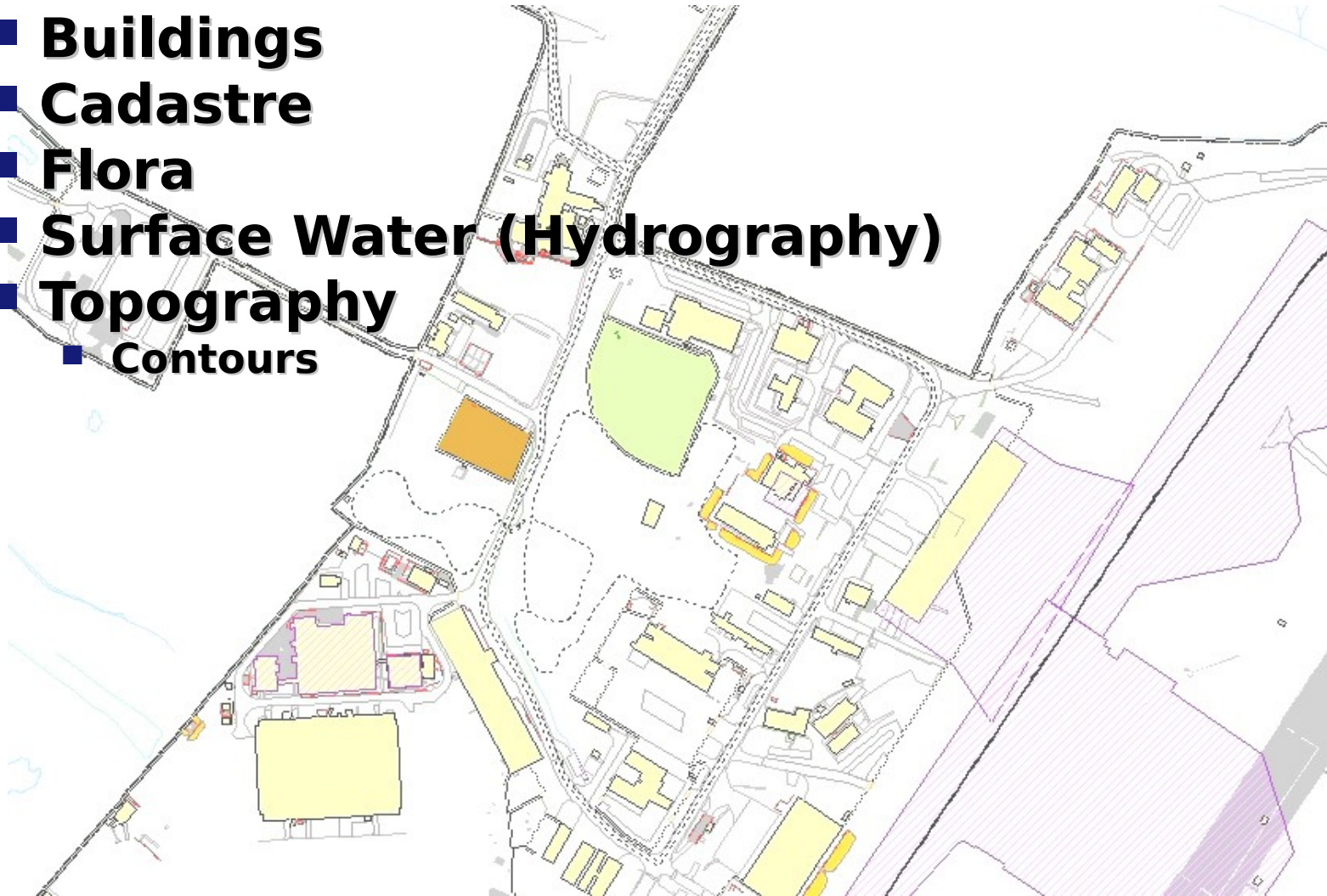




Common Installation Picture 2006

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- **Buildings**
- **Cadastre**
- **Flora**
- **Surface Water (Hydrography)**
- **Topography**
 - **Contours**

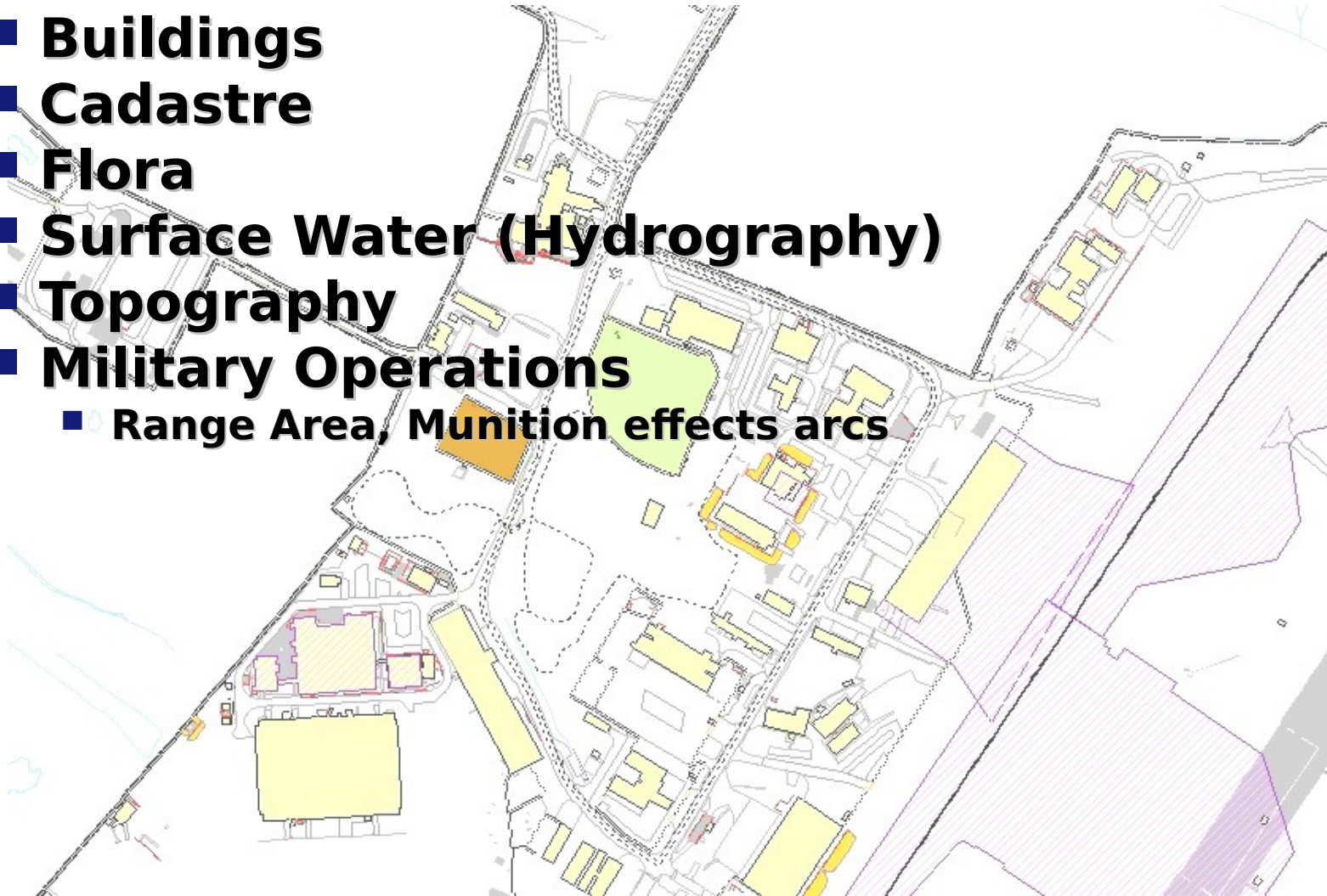




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Common Installation Picture 2006

- Buildings
- Cadastre
- Flora
- Surface Water (Hydrography)
- Topography
- Military Operations
 - Range Area, Munition effects arcs

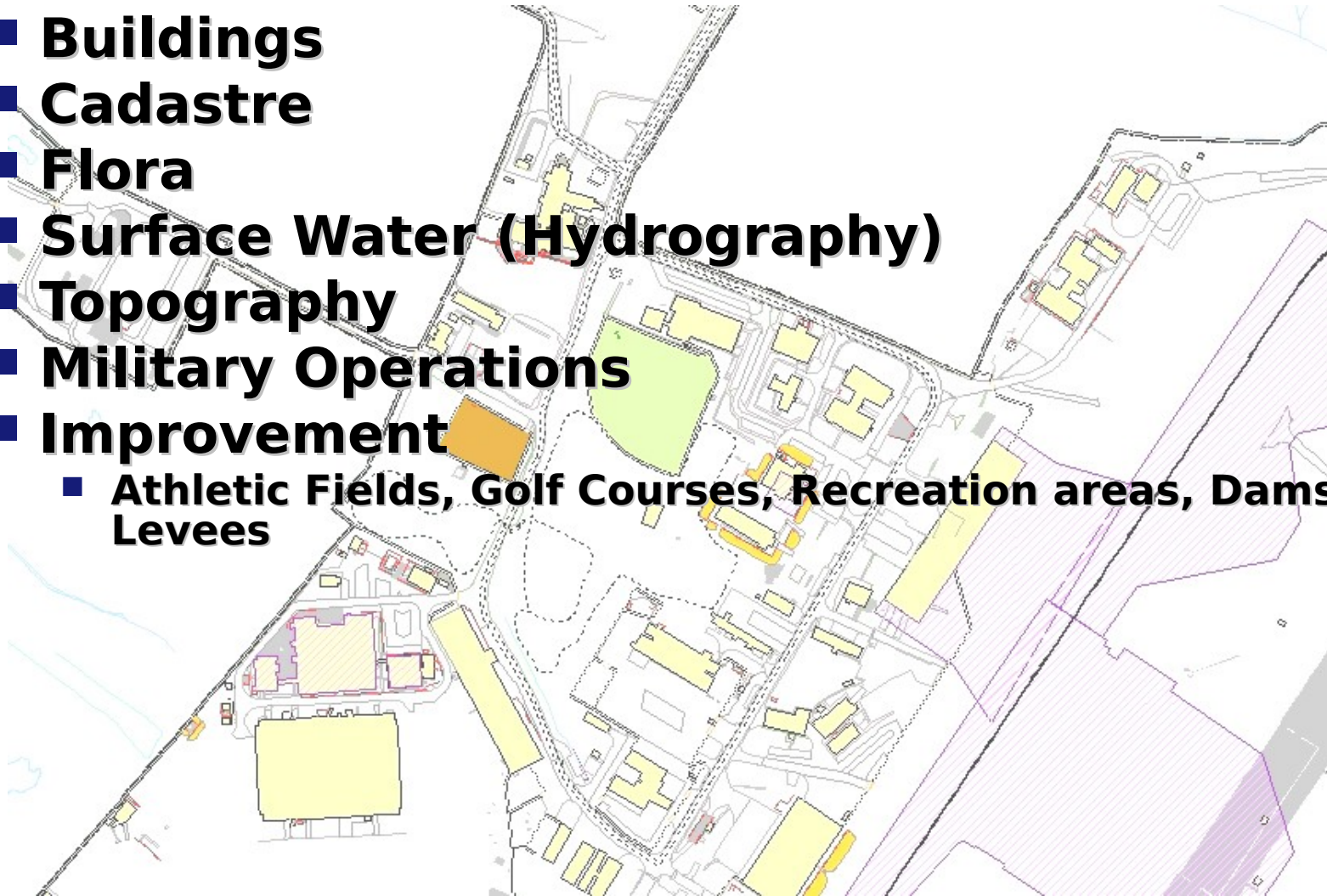




Common Installation Picture 2006

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- **Buildings**
- **Cadastre**
- **Flora**
- **Surface Water (Hydrography)**
- **Topography**
- **Military Operations**
- **Improvement**
 - **Athletic Fields, Golf Courses, Recreation areas, Dams, Levees**

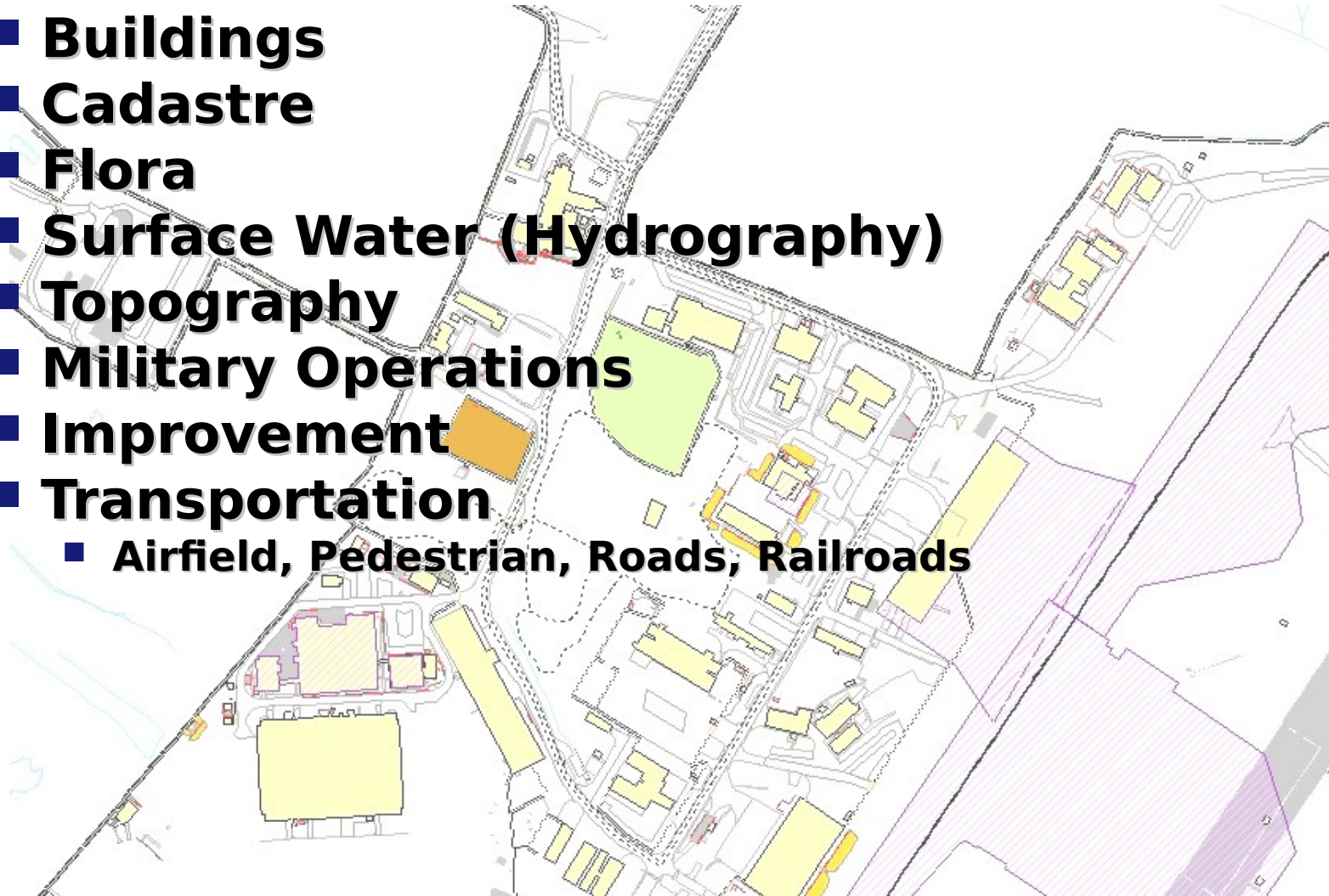




Common Installation Picture 2006

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- **Buildings**
- **Cadastre**
- **Flora**
- **Surface Water (Hydrography)**
- **Topography**
- **Military Operations**
- **Improvement**
- **Transportation**
 - **Airfield, Pedestrian, Roads, Railroads**



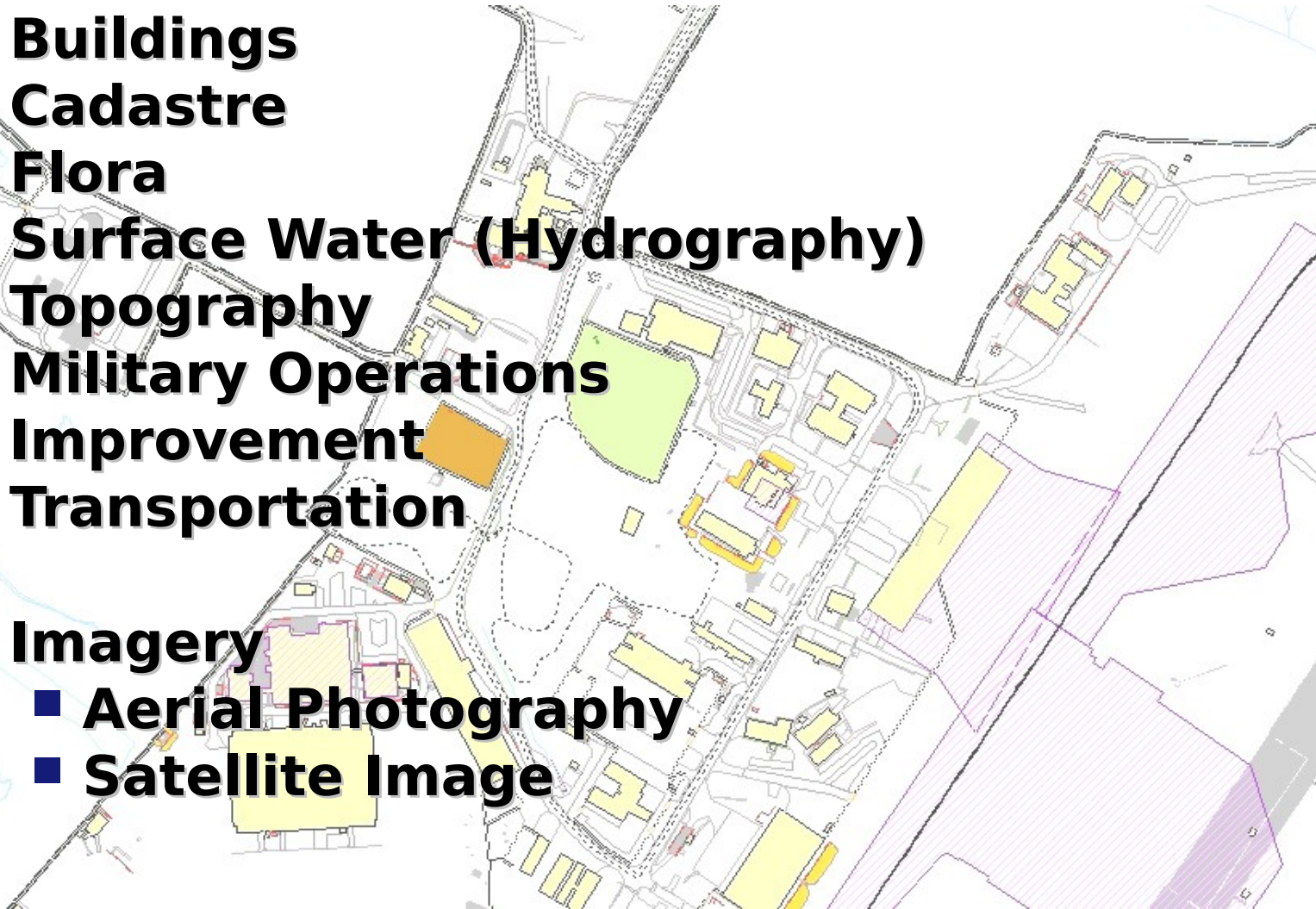


Common Installation Picture 2006

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- **Buildings**
- **Cadastre**
- **Flora**
- **Surface Water (Hydrography)**
- **Topography**
- **Military Operations**
- **Improvement**
- **Transportation**

- **Imagery**
 - **Aerial Photography**
 - **Satellite Image**





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Common Installation Picture 2006





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GeoBase - Mission Data Sets

Classified or unclassified as determined by functional user

Functional data stewards
MDS

SF

SE

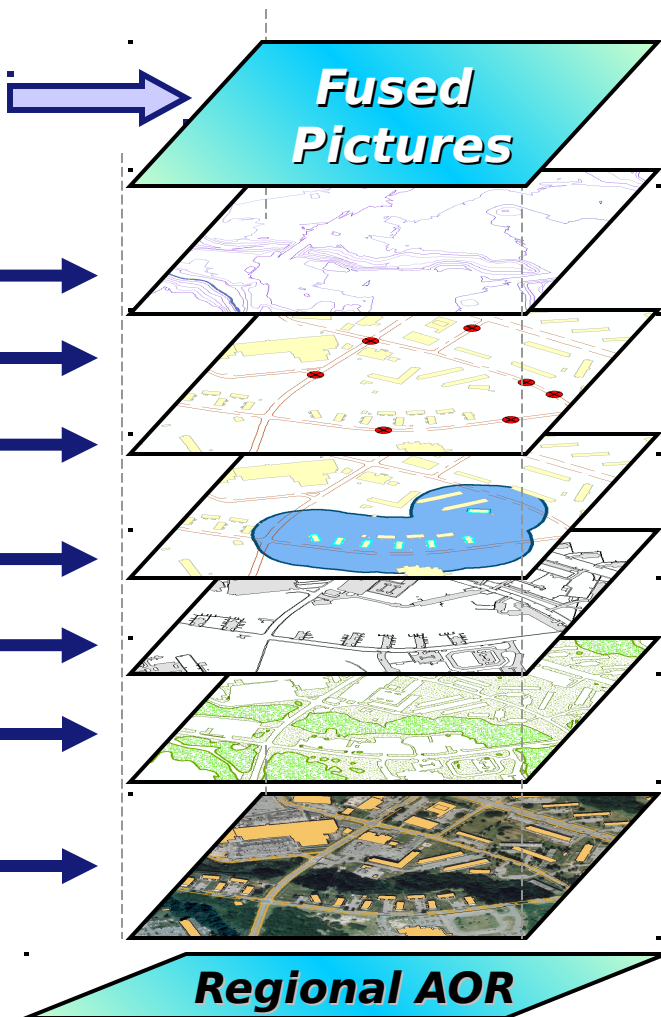
SG

CE

EM

CIP

CE



Functional communities generate fused installation pictures with CIP and select MDS in functional IT solutions

MDS are functionally specific map layers

MDS are stored, where possible, with the CIP and are shared on a need-to-know basis as determined by functional data steward

The **CIP** is the common base map

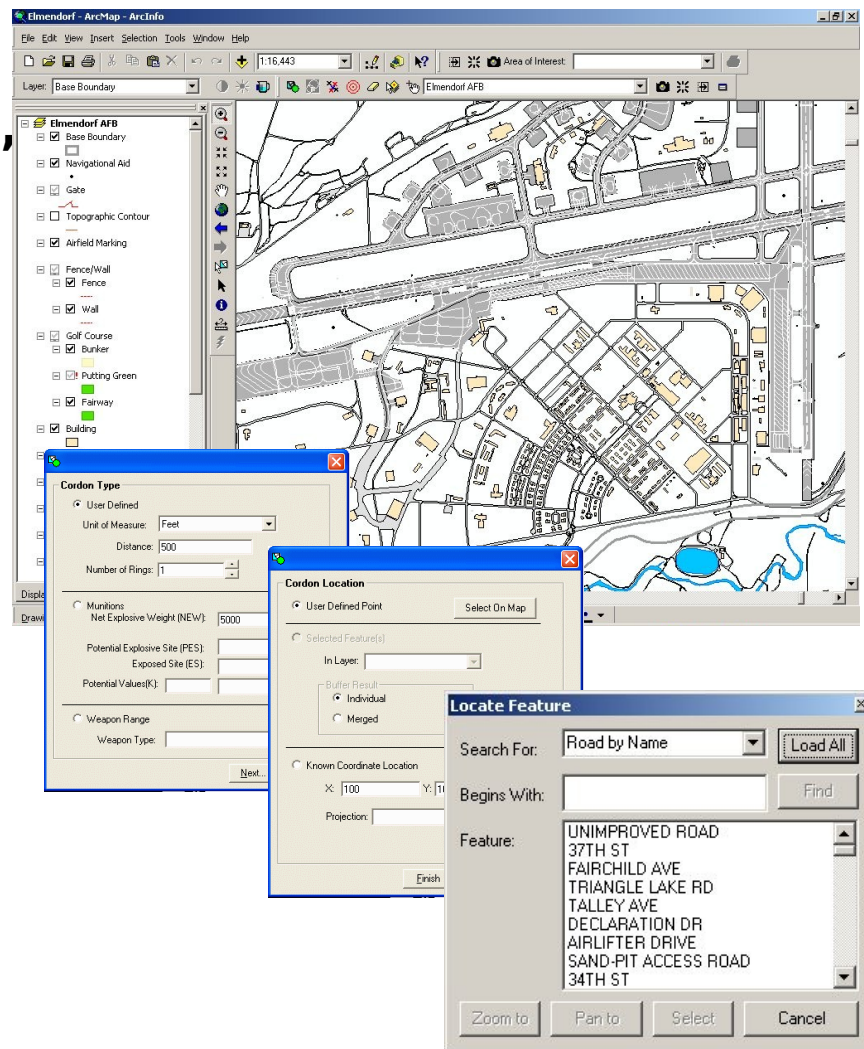
The **CIP** is maintained by CE and shared widely across the base LAN



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GeoBase ToolKit

- **Find features**
 - Building by number, name, or address
 - Street by name
- **Perform spatial analysis**
 - Create cordons
 - Determine impacts
- **Work with coordinates**
 - Find locations
 - Report coordinates
 - Convert coordinates
- **Locate areas of interest**
 - Housing
 - BX
 - Etc
- **Manage CIPs**





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Demonstration



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Other Tools

■ AFSPC

Incident Management Toolkit: Global Mirror Exercise

File Edit View Insert Selection Tools Window Help

1:1.163

Layers

- HAZUS
 - regional_stationpt
- Hospitalpt
- Church
- AmbSurgCenterpt
- CFSD_Stationpt
- Sky Sox Event
- West Gate Event
 - mod_1324-1.dwg
- Incident
- Fire Route
- TCP
- STATUS
 - PENDING
 - ESTABLISHED
 - ESTABLISHED

Geospatial Integration & Enablement

Building Report for: GM_WESTGATE

File Edit View Favorites Tools Help

Address: C:\GlobalMirror\Data\ML\GM_WESTGATE-Building Report.xml

Go Links

Building Report for: GM_WESTGATE

Name	Owner	Status	Description	Usage	Bldg_Number	Contact	Phone_Number
GM_WESTGATE	sbeattie	PENDING	0	0	0000	KRUEGER MIKE	556-7083
GM_WESTGATE	sbeattie	PENDING	0	0	0	0	0
GM_WESTGATE	sbeattie	PENDING	0	0	0	0	0
GM_WESTGATE	sbeattie	PENDING	0	0	0	0	0
GM_WESTGATE	sbeattie	PENDING	0	0	0000	MICHELE FELTS	556-7026
GM_WESTGATE	sbeattie	PENDING	0	0	0000	LISA STRUDER	556-7091
GM_WESTGATE	sbeattie	PENDING	0	0	0000	DONNA NASSER	556-7081
GM_WESTGATE	sbeattie	PENDING	0	0	0	0	0

525095.60 4297836.30 Meters



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Real Property

Map Viewer - Microsoft Internet Explorer

Address: <http://usafe-geobeta/netconnector//content/mapv.aspx?mapwidth=997&mapheight=793&mapservice=tyfricp>

USAFE GeoBase

USAFE A7C | Geobase Home | Calendar | File Library | Feedback | Requirements | Admin | Change Request

Legend | Maps | Layers | Map Information

Map Information

Name: Common Installation Picture
Description: Common Installation Picture
Copyright:
Last Updated: 6/23/2005
Aerial: False
Aerial Resolution:
Datum:

Files Associated with Common Installation Picture
No Documents were Found.

Links Associated with Common Installation Picture
No Links were Found.

View Information
X:
Y:
Segment Length:
Total Length:
Area:
[Close Polygon](#)

Identify Results

Map Data

Building ID	TYFR00529
Status	PERMANENT
Use	ADMINISTRATE
Design Code	SINGLE PURPOSE BLDG
Built	1954
Address	MESSINA, MICHAEL- 4807160
Comments	USAFE A7C
Owner	FOREIGN OWNED FACILITIES

ACES Real Property Information

SEQNBR	103819	SEQNBR_BELONGS_TO_INSTALL	TYFR
FACILITY_NBR	529	SEQNBR_YEAR	95
FACILITY_TYPE	A	NET_FLOOR_AREA	14212
INTEREST_CODE	K	INTN_ENTRY_DT	2002-1
UTILITY_UNKNOWN_YN	N	CONSTRUCTION	14T00
UTILITY_STEAM_YN	N	HEAT_GAS_YN	N
UTILITY_NOR_YN	N	HEAT_WATER_YN	N
HEAT_GAS_YN	N	HEAT_OIL_YN	N
HEAT_FUEL_OIL_YN	N	HEAT_GAS_YN	N
HEAT_GAS_YN	N	HEAT_STEAM_YN	N

DoD Use Only
Map Last Updated: 6/23/2005

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Page Last Modified: 8/2/2005

<http://usafe-geobeta/netconnector//default.aspx>

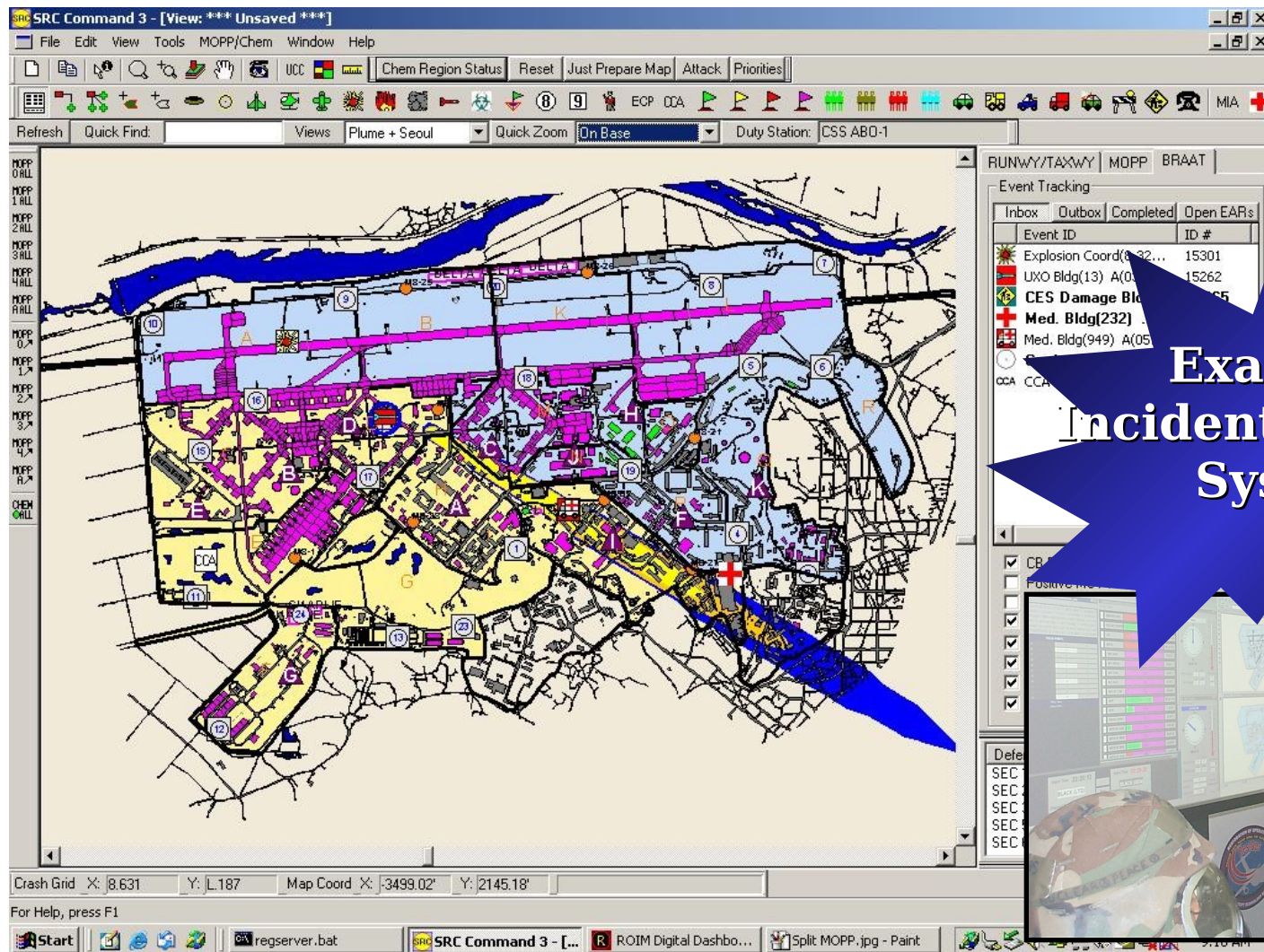
Local intranet

ACES Real Property



R3: Readiness, Response, Recovery

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Example:
Incident Decision
System





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GeoBase Information Sources

- **Installation**
 - **Base Civil Engineer (BCE)**
 - **GeoBase Geo-Integration Office (GIO)**
- **Functional**
 - FIRE, EOD, Readiness, Medical, ...**
- **MAJCOM: GIO (Provided List of POC's)**
- **FOA**
 - **Michael Donaldson - Education & Training**
 - michael.donaldson@tyndall.af.mil
 - **Charles Hill - GeoBase PfM**
 - Charles.Hill@Tyndall.af.mil
- **HAF-GIO**
 - <https://www.il.hq.af.mil/geobase/index.cfm>



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GeoBase Information Sources

<https://www.il.hq.af.mil/geobase/faq.cfm>

Overview

Announcements

Resource Library

Links

Contact Us

GeoBase Compass
Conference

SEARCH



[GeoBase home](#)



[il home](#)



[personnel directory](#)



[webmail](#)



[website administration](#)

Frequently Asked Questions (FAQ)

1. [Is GeoBase a system?](#)
2. [What is the mission of GeoBase?](#)
3. [What is GeoBase?](#)
4. [Is there a single commercial technical solution for GeoBase?](#)
5. [Is GeoBase COTS or a unique in-house defense technology solution?](#)
6. [What is the Common Installation Picture \(CIP\)?](#)
7. [Where do the images come from?](#)
8. [How is the Garrison Common Installation Picture \(CIP\) built?](#)
9. [Where are the installation maps \(the Common Installation Picture\) stored?](#)
10. [What MAJCOM, FOAs and DRUs are implementing GeoBase?](#)
11. [Does Garrison GeoBase comply with the Air Force server consolidation program?](#)
12. [Are any GeoBase program elements classified?](#)
13. [Who administers GeoBase training?](#)
14. [What education and training opportunities are available to learn more about GeoBase?](#)
15. [Are there any GeoBase conferences I might attend to learn more?](#)
16. [Who do I contact for more information?](#)
17. [What is Strategic GeoBase?](#)
18. [How are GeoReach and Expeditionary GeoBase different?](#)
19. [How does the GeoBase program affect the warfighter?](#)
20. [Will the GeoBase program ever reach a completion date?](#)